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<110> Barker, Robert N.
     Marshall, Neil A.
     Vickers, Mark A.
<120> Materials and Methods for Inductions of Immune Tolerance
<130> 0380-P03549US0
<140> US 10/519,044
<141> 2005-09-02
<150> PCT/GB2003/002739
<151> 2003-06-24
<150> GB 0214528.2
<151> 2002-06-24
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<213> Epstein-Barr virus
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Leu Ala Ala Val Ala Ser Ser Tyr Ala Ala Ala Gln Arg Lys Leu Leu
Thr Pro Val Thr
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<213> Epstein-Barr virus
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Ser Ser Tyr Ala Ala Ala Gln Arg Lys Leu Leu Thr Pro Val Thr Val
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Leu Thr Ala Val
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<213> Epstein-Barr virus
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Ala Gln Arg Lys Leu Thr Pro Val Thr Val Leu Thr Ala Val Val
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Thr Phe Phe Ala
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<213> Epstein-Barr virus
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Leu Thr Pro Val Thr Val Leu Thr Ala Val Val Thr Phe Phe Ala Ile
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Cys Leu Thr Trp
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Val Leu Thr Ala Val Val Thr Phe Phe Ala Ile Cys Leu Thr Trp Arg
Ile Glu Asp Pro
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<213> Epstein-Barr virus
<400> 114
Val Thr Phe Phe Ala Ile Cys Leu Thr Trp Arg Ile Glu Asp Pro Pro
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Phe Asn Ser Leu
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<213> Epstein-Barr virus
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Ile Cys Leu Thr Trp Arg Ile Glu Asp Pro Pro Phe Asn Ser Leu Leu
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Phe Ala Leu Leu
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<210> 116
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<213> Epstein-Barr virus
<400> 116
Arg Ile Glu Asp Pro Pro Phe Asn Ser Leu Leu Phe Ala Leu Leu Ala
Ala Ala Gly Gly
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<213> Epstein-Barr virus
<400> 117
Pro Phe Asn Ser Leu Leu Phe Ala Leu Leu Ala Ala Gly Gly Leu
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Gln Gly Ile Tyr
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<400> 118
Leu Phe Ala Leu Leu Ala Ala Gly Gly Leu Gln Gly Ile Tyr Val
                                   10
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Leu Val Met Leu
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<213> Epstein-Barr virus
<400> 119
Ala Ala Gly Gly Leu Gln Gly Ile Tyr Val Leu Val Met Leu Val
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1
Leu Leu Ile Leu
           20
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<213> Epstein-Barr virus
<400> 120
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Leu Gln Gly Ile Tyr Val Leu Val Met Leu Val Leu Leu Ile Leu Ala
Tyr Arg Arg Arg
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<213> Epstein-Barr virus
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Val Leu Val Met Leu Val Leu Leu Ile Leu Ala Tyr Arg Arg Trp
                                   10
Arg Arg Leu Thr
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<213> Epstein-Barr virus
<400> 122
Val Leu Leu Ile Leu Ala Tyr Arg Arg Trp Arg Arg Leu Thr Val
                                   10
Cys Gly Gly Ile
           20
<210> 123
<211> 20
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<213> Epstein-Barr virus
<400> 123
Ala Tyr Arg Arg Trp Arg Leu Thr Val Cys Gly Gly Ile Met
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Phe Leu Ala Cys
           2.0
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<211> 20
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Trp Arg Arg Leu Thr Val Cys Gly Gly Ile Met Phe Leu Ala Cys Val
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Leu Val Leu Ile
           20
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<213> Epstein-Barr virus
<400> 125
Val Cys Gly Gly Ile Met Phe Leu Ala Cys Val Leu Val Leu Ile Val
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Asp Ala Val Leu
<210> 126
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<400> 126
Met Phe Leu Ala Cys Val Leu Val Leu Ile Val Asp Ala Val Leu Gln
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Leu Ser Pro Leu
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<213> Epstein-Barr virus
<400> 127
Val Leu Val Leu Ile Val Asp Ala Val Leu Gln Leu Ser Pro Leu Leu
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Gly Ala Val Thr
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<400> 128
Val Asp Ala Val Leu Gln Leu Ser Pro Leu Leu Gly Ala Val Thr Val
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Val Ser Met Thr
            2.0
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<213> Epstein-Barr virus
<400> 129
Gln Leu Ser Pro Leu Leu Gly Ala Val Thr Val Val Ser Met Thr Leu
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Leu Leu Leu Ala
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<400> 130
Leu Gly Ala Val Thr Val Val Ser Met Thr Leu Leu Leu Leu Ala Phe
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Val Leu Trp Leu
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<400> 131
Val Val Ser Met Thr Leu Leu Leu Leu Ala Phe Val Leu Trp Leu Ser
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Ser Pro Gly Gly
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Leu Leu Leu Ala Phe Val Leu Trp Leu Ser Ser Pro Gly Gly Leu
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Gly Thr Leu Gly
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<213> Epstein-Barr virus
<400> 133
Phe Val Leu Trp Leu Ser Ser Pro Gly Gly Leu Gly Thr Leu Gly Ala
Ala Leu Leu Thr
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<211> 20
<212> PRT
<213> Epstein-Barr virus
<400> 134
Ser Ser Pro Gly Gly Leu Gly Thr Leu Gly Ala Ala Leu Leu Thr Leu
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Ala Ala Ala Leu
            2.0
<210> 135
<211> 20
<212> PRT
<213> Epstein-Barr virus
<400> 135
Leu Gly Thr Leu Gly Ala Ala Leu Leu Thr Leu Ala Ala Ala Leu Ala
                                   10
Leu Leu Ala Ser
            20
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<213> Epstein-Barr virus
<400> 136
Ala Ala Leu Leu Thr Leu Ala Ala Ala Leu Ala Leu Leu Ala Ser Leu
Ile Leu Gly Thr
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<210> 137
<211> 20
<212> PRT
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<213> Epstein-Barr virus
<400> 137
Leu Ala Ala Ala Leu Ala Leu Leu Ala Ser Leu Ile Leu Gly Thr Leu
                                   10
Asn Leu Thr Thr
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<213> Epstein-Barr virus
<400> 138
Ala Leu Leu Ala Ser Leu Ile Leu Gly Thr Leu Asn Leu Thr Thr Met
                                   10
Phe Leu Leu Met
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<400> 139
Leu Ile Leu Gly Thr Leu Asn Leu Thr Thr Met Phe Leu Leu Met Leu
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Leu Trp Thr Leu
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<213> Epstein-Barr virus
<400> 140
Leu Asn Leu Thr Thr Met Phe Leu Leu Met Leu Leu Trp Thr Leu Val
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Val Leu Leu Ile
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<400> 141
Met Phe Leu Leu Met Leu Leu Trp Thr Leu Val Val Leu Leu Ile Cys
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Ser Ser Cys Ser
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<400> 142
Leu Leu Trp Thr Leu Val Val Leu Leu Ile Cys Ser Ser Cys Ser Ser
                                   10
Cys Pro Leu Ser
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<213> Epstein-Barr virus
<400> 143
Val Val Leu Leu Ile Cys Ser Ser Cys Ser Ser Cys Pro Leu Ser Lys
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Ile Leu Leu Ala
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Cys Ser Ser Cys Ser Ser Cys Pro Leu Ser Lys Ile Leu Leu Ala Arg
Leu Phe Leu Tyr
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<400> 145
Ser Cys Pro Leu Ser Lys Ile Leu Leu Ala Arg Leu Phe Leu Tyr Ala
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Leu Ala Leu Leu
            20
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<400> 146
Lys Ile Leu Leu Ala Arg Leu Phe Leu Tyr Ala Leu Ala Leu Leu
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1
Leu Ala Ser Ala
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<213> Epstein-Barr virus
<400> 147
Arg Leu Phe Leu Tyr Ala Leu Ala Leu Leu Leu Leu Ala Ser Ala Leu
                                   10
Ile Ala Gly Gly
            20
<210> 148
<211> 20
<212> PRT
<213> Epstein-Barr virus
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Ala Leu Ala Leu Leu Leu Ala Ser Ala Leu Ile Ala Gly Gly Ser
                                    10
Ile Leu Gln Thr
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Leu Leu Ala Ser Ala Leu Ile Ala Gly Gly Ser Ile Leu Gln Thr Asn
                                   10
Phe Lys Ser Leu
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<400> 150
Leu Ile Ala Gly Gly Ser Ile Leu Gln Thr Asn Phe Lys Ser Leu Ser
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Ser Thr Glu Phe
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<213> Epstein-Barr virus
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Ser Ile Leu Gln Thr Asn Phe Lys Ser Leu Ser Ser Thr Glu Phe Ile
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Pro Asn Leu Phe
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<400> 152
Asn Phe Lys Ser Leu Ser Ser Thr Glu Phe Ile Pro Asn Leu Phe Cys
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Met Leu Leu Leu
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<400> 153
Ser Ser Thr Glu Phe Ile Pro Asn Leu Phe Cys Met Leu Leu Ile
                                   10
Val Ala Gly Ile
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<210> 154
<211> 20
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<213> Epstein-Barr virus
<400> 154
Ile Pro Asn Leu Phe Cys Met Leu Leu Leu Ile Val Ala Gly Ile Leu
                                    10
Phe Ile Leu Ala
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<210> 155
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<400> 155
Cys Met Leu Leu Ile Val Ala Gly Ile Leu Phe Ile Leu Ala Ile
Leu Thr Glu Trp
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<211> 20
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<213> Epstein-Barr virus
<400> 156
Ile Val Ala Gly Ile Leu Phe Ile Leu Ala Ile Leu Thr Glu Trp Gly
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Ser Gly Asn Arg
            2.0
<210> 157
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Leu Phe Ile Leu Ala Ile Leu Thr Glu Trp Gly Ser Gly Asn Arg Thr
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Tyr Gly Pro Val
<210> 158
<211> 20
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Ile Leu Thr Glu Trp Gly Ser Gly Asn Arg Thr Tyr Gly Pro Val Phe
Met Cys Leu Gly
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<210> 159
<211> 20
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<213> Epstein-Barr virus
<400> 159
Gly Ser Gly Asn Arg Thr Tyr Gly Pro Val Phe Met Cys Leu Gly Gly
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Leu Leu Thr Met
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<400> 160
Phe Met Cys Leu Gly Gly Leu Leu Thr Met Val Ala Gly Ala Val Trp
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Leu Thr Val Met
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<400> 161
Gly Leu Leu Thr Met Val Ala Gly Ala Val Met Leu Thr Val Met Ser
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Asn Thr Leu Leu
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<400> 162
Val Ala Gly Ala Val Trp Leu Thr Val Met Ser Asn Thr Leu Leu Ser
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Ala Trp Ile Leu
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<213> Epstein-Barr virus
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Trp Leu Thr Val Met Ser Asn Thr Leu Leu Ser Ala Trp Ile Leu Thr
Ala Gly Phe Leu
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<212> PRT
<213> Epstein-Barr virus
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Ser Asn Thr Leu Leu Ser Ala Trp Ile Leu Thr Ala Gly Phe Leu Ile
                                    10
Phe Leu Ile Gly
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<210> 165
<211> 20
<212> PRT
<213> Epstein-Barr virus
<400> 165
Ser Ala Trp Ile Leu Thr Ala Gly Phe Leu Ile Phe Leu Ile Gly Phe
                                   10
Ala Leu Phe Gly
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<211> 20
<212> PRT
<213> Epstein-Barr virus
<400> 166
Thr Ala Gly Phe Leu Ile Phe Leu Ile Gly Phe Ala Leu Phe Gly Val
Ile Arg Cys Cys
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<210> 167
<211> 20
<212> PRT
<213> Epstein-Barr virus
<400> 167
Ile Phe Leu Ile Gly Phe Ala Leu Phe Gly Val Ile Arg Cys Cys Arg
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1
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Tyr Cys Cys Tyr
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<210> 168
<211> 20
<212> PRT
<213> Epstein-Barr virus
<400> 168
Phe Ala Leu Phe Gly Val Ile Arg Cys Cys Arg Tyr Cys Cys Tyr Tyr
                                   10
Cys Leu Thr Leu
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<210> 169
<211> 20
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<213> Epstein-Barr virus
<400> 169
Val Ile Arg Cys Cys Arg Tyr Cys Cys Tyr Tyr Cys Leu Thr Leu Glu
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Ser Glu Glu Arg
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<210> 170
<211> 20
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